



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)



Bib Data Sheet

CONFIRMATION NO. 5421

SERIAL NUMBER 10/727,216	FILING DATE 12/03/2003 RULE	CLASS 438	GROUP ART UNIT 2813	ATTORNEY DOCKET NO. 8054-27 (LW8079US/WS)
-----------------------------	-----------------------------------	--------------	------------------------	--

## APPLICANTS

Yong-Kyu Jang, Suwon-si, KOREA, REPUBLIC OF;

Jae-Hyun Kim, Seoul, KOREA, REPUBLIC OF;

*JMS* Sang-Woo Kim, Suwon-si, KOREA, REPUBLIC OF; Jae-Young Lee, Seoul, KOREA, REPUBLIC OF;

Sung-Eun Cha, Geoje-si, KOREA, REPUBLIC OF;

Young-Nam Yun, Seoul, KOREA, REPUBLIC OF;

## \*\* CONTINUING DATA \*\*\*\*\*

*JMS* -none

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

REPUBLIC OF KOREA 2002-77346 12/06/2002

*JMS* REPUBLIC OF KOREA 2003-1107 01/08/2003

REPUBLIC OF KOREA 2003-7539 02/06/2003

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 03/12/2004

Foreign Priority claimed 35 USC 119 (a-d) conditions met Verified and Acknowledged	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Examiner's Signature <i>JMS</i> Initials <i>JMS</i>	STATE OR COUNTRY KOREA, REPUBLIC OF	SHEETS DRAWING 20	TOTAL CLAIMS 66	INDEPENDENT CLAIMS 4

## ADDRESS

22150  
 F. CHAU & ASSOCIATES, LLC  
 130 WOODBURY ROAD  
 WOODBURY, NY  
 11797

## TITLE

Liquid crystal display device having a thin film transistor substrate with a multi-cell gap structure and method of manufacturing same

<input type="checkbox"/> All Fees
<input type="checkbox"/> 1.16 Fees ( Filing )